Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/06/2017 09:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124616	-1	1.32	124465	1.27
Blue	F	SSC	125000	123492	-2	2.94	123779	2.75
Blue	E	FITC	23615	22708	-4	2.41	1012	10.18
Blue	D	PE	26739	26248	-2	1.98	941	10.11
Blue	B	PerCP-Cy5-5	48339	47063	-3	3.41	1355	16.96
Blue	A	PE-Cy7	45021	44697	-1	5.13	697	35.5
Red	C	APC	53064	52048	-2	2.75	2990	9.4
Red	A	APC-Cy7	57175	56036	-2	2.77	1186	10.97
Violet	B	V450	14728	14039	-5	5.64	669	9.78
Violet	A	V500	58621	57132	-3	5.46	2526	7.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19239	2.44	608	-6	N/A	N/A	Pass
Blue	F	SSC	61162	1.46	543	-3	N/A	N/A	Pass
Blue	E	FITC	113	38.37	544	-4	0.0209	125	Pass
Blue	D	PE	207	29.65	535	-1	0.149	231	Pass
Blue	B	PerCP-Cy5-5	211	45.04	632	-3	0.01	87	Pass
Blue	A	PE-Cy7	74	121.79	692	-1	0.0118	18	Pass
Red	C	APC	351	27.18	594	-3	0.0206	51	Pass
Red	A	APC-Cy7	131	41.04	577	-3	0.0059	2222	Pass
Violet	B	V450	82	42.57	471	1	0.0496	2167	Pass
Violet	A	V500	183	23.06	499	2	0.0141	348	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.64	-31.24	0.82
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	19.30	14.40 - 21.60	N/A	N/A	31.14	31.61	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10045

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments